

US EPA ARCHIVE DOCUMENT

Shaughnessy No.: 128357

Date out of EAB: DEC 17 1986

To: Lois Rossi  
Product Manager 21  
Registration Division (TS 767)

From: Emil Regelman, Supervisory Chemist  
Review Section #3  
Exposure Assessment Branch  
Hazard Evaluation Division (TS 769)

Attached, please find the EAB review of...

Reg./File # : 707-ERE,-ERN,-ERR

Chemical Name: Miclobutanil [  $\alpha$ - Butyl-  $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-  
propanenitrile]

Type Product : fungicide for use on apples and grapesProduct Name : RallyCompany Name : Rohm and Haas

Purpose : New chemical screen-- submission of data in support of registration on  
apples and grapes

Action Code: 110EAB # (s) : 70-29Date received: 12/10/8670-30Date completed: DEC 17 198670-31Monitoring study requested:       TAIS Code : 6-5-29Monitoring study voluntarily:       Total Reviewing Time: 1.5 days

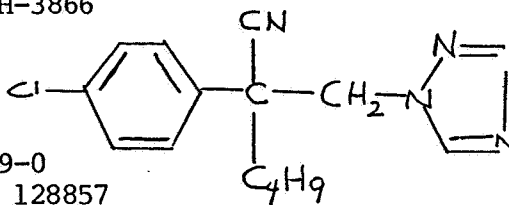
Deferrals to:            Ecological Effects Branch  
           Residue Chemistry Branch  
           Toxicology Branch

1. CHEMICAL:chemical name: [ $\alpha$ -Butyl- $\alpha$ -(4-chlorophenyl)-1H-1,2,4-triazole-1-propanitrile]

common name: Miclobutanil

trade name: RH-3866

structure:

CAS #: 66871-89-0  
Shaughnessy #: 1288572. TEST MATERIAL: Not applicable3. STUDY/ACTION TYPE: new chemical screen for a terrestrial orchard crop product4. STUDY IDENTIFICATION:

Hydrolysis-- submitted by reference-- EPA Acc.# 00141679

Photodegradation in Water-- submitted by reference-- EPA Acc.# 256773

Photodegradation in Soil-- in current submission-- EPA Acc.# 266121

Aerobic and Anaerobic Soil Metabolism-- submitted by reference-- EPA Acc.# 0141680

Leaching-- submitted by reference-- EPA Acc.# 00141681

Adsorption/Desorption-- submitted by reference-- EPA Acc.# 00141682

Field Dissipation-- submitted by reference-- EPA Acc.# 256773

Fish Accumulation-- waiver requested-- EPA Acc.# 264484

5. REVIEWED BY:Typed Name: E. Brinson Conerly  
Title: Chemist, Review Section 3  
Organization: EAB/HED/OPP

  
12/17/86
6. APPROVED BY:Typed Name: Emil Regelman  
Title: Supervisory Chemist, Review Section 3  
Organization: EAB/HED/OPP

  
DEC 17 1986
7. CONCLUSIONS:

This chemical does not pass the screen. The currently submitted study appears to be reviewable per present standards. However, many of the other required data appear to be deficient (see attached reviews.)

Per the most recent prior review (dated 5/6/86), the status of data requirements is as follows:

Hydrolysis-- satisfied

Photodegradation in Water-- not satisfied-- guidelines not followed; specifically, distilled water must be used, and the experiment must be done under sterile conditions. Further, the light source was not demonstrated to simulate sunlight.

Photodegradation in Soil-- in current submission

Aerobic and Anaerobic Soil Metabolism-- partially satisfied, additional data pending-- degradates are to be identified

Leaching-- not fully satisfied-- data pending re "aged" compound  
Adsorption/Desorption-- satisfied  
Field Dissipation-- not satisfied-- Guideline requirements not fulfilled;  
specifically, the applicant must provide identification of degradates  
and specification of analytical method  
Fish Accumulation-- waiver requested based on low  $k_{ow}$  for the parent  
-additional data (demonstration of low  $k_{ows}$  for principal degradates)  
required to support the waiver

8. RECOMMENDATIONS:

The applicant should submit the requested information listed in "CONCLUSIONS" so that review may proceed.

9. BACKGROUND

10. DISCUSSION OF INDIVIDUAL TESTS OR STUDIES: n.a.

11. COMPLETION OF ONE-LINER : n.a.

12. CBI APPENDIX: (if applicable): included